RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _09/710,440_
Source: _1Fw16_
Date Processed by STIC: _4/14/06_

ENTERED

IFW16

RAW SEQUENCE LISTING   DATE: 04/14/2006
PATENT APPLICATION: US/09/710,444D   TIME: 11:10:35

Input Set : A:\208039-1090 - revised SEQ LIST dos text.txt
Output Set: N:\CRF4\04142006\I710444D.raw

```
     6 <110> APPLICANT: Riechmann, Lutz
     8        Kristensen, Peter
    10        Jestin, Jean-Luc
    12        Winter, Gregory
    16 <120> TITLE OF INVENTION: Selection System
    20 <130> FILE REFERENCE: 8039/1090
    24 <140> CURRENT APPLICATION NUMBER: 09/710,444D
C--> 26 <141> CURRENT FILING DATE: 2000-11-10
    30 <150> PRIOR APPLICATION NUMBER: GB 9810223.9
    32 <151> PRIOR FILING DATE: 1998-05-13
    36 <150> PRIOR APPLICATION NUMBER: GB 9810228.8
    38 <151> PRIOR FILING DATE: 1998-05-13
    42 <150> PRIOR APPLICATION NUMBER: PCT/GB99/01526
    44 <151> PRIOR FILING DATE: 1999-05-13
    48 <160> NUMBER OF SEQ ID NOS: 80
    52 <170> SOFTWARE: PatentIn version 3.1
    56 <210> SEQ ID NO: 1
    58 <211> LENGTH: 17
    60 <212> TYPE: PRT
    62 <213> ORGANISM: Artificial Sequence
    66 <220> FEATURE:
    68 <223> OTHER INFORMATION: Synthetic linker peptide sequence with protease recognition
sites
    69        .
    71 <220> FEATURE:
    73 <221> NAME/KEY: MISC_FEATURE
    75 <222> LOCATION: (1)..(17)
    77 <223> OTHER INFORMATION: Synthetic linker peptide sequence with protease recognition
sites
    81 <400> SEQUENCE: 1
    83 Pro Ala Gly Leu Ser Glu Gly Ser Thr Ile Glu Gly Arg Gly Ala His
    84 1               5                   10                  15
    87 Glu
    91 <210> SEQ ID NO: 2
    93 <211> LENGTH: 57
    95 <212> TYPE: DNA
    97 <213> ORGANISM: Artificial Sequence
   101 <220> FEATURE:
   103 <223> OTHER INFORMATION: Synthetic PCR primer for vector construction/screening.
   105 <220> FEATURE:
   107 <221> NAME/KEY: misc_feature
   109 <222> LOCATION: (1)..(57)
   111 <223> OTHER INFORMATION: Synthetic PCR primer for vector construction/screening
   115 <400> SEQUENCE: 2
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116 ggcaccctca gaacggtacc ccaccctcag aggccggctg ggccgccacc ctcagag   57

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121 <211> LENGTH: 89
123 <212> TYPE: DNA
125 <213> ORGANISM: Artificial sequence
129 <220> FEATURE:
131 <223> OTHER INFORMATION: Synthetic PCR primer for vector construction/screening.
133 <220> FEATURE:
135 <221> NAME/KEY: misc_feature
137 <222> LOCATION: (1)..(89)
139 <223> OTHER INFORMATION: Synthetic PCR primer for vector construction/screening
143 <400> SEQUENCE: 3
144 ggtggcggcc cagccggcct ttctgagggg tcgactatag aaggacgagg gcccagcgaa      60
146 ggaggtgggg tacccccttc tgagggtgg                                       89
149 <210> SEQ ID NO: 4
151 <211> LENGTH: 89
153 <212> TYPE: DNA
155 <213> ORGANISM: Artificial sequence
159 <220> FEATURE:
161 <223> OTHER INFORMATION: Synthetic PCR primer for vector construction/screening.
163 <220> FEATURE:
165 <221> NAME/KEY: misc_feature
167 <222> LOCATION: (1)..(89)
169 <223> OTHER INFORMATION: Synthetic PCR primer for vector construction/screening
173 <400> SEQUENCE: 4
174 ccaccctcag aagggggtac cccacctcct tcgctgggcc ctcgtccttc tatagtcgac      60
176 ccctcagaaa ggccggctgg gccgccacc                                       89
179 <210> SEQ ID NO: 5
181 <211> LENGTH: 24
183 <212> TYPE: DNA
185 <213> ORGANISM: Artificial sequence
189 <220> FEATURE:
191 <223> OTHER INFORMATION: Synthetic PCR primer for vector construction/screening.
193 <220> FEATURE:
195 <221> NAME/KEY: misc_feature
197 <222> LOCATION: (1)..(24)
199 <223> OTHER INFORMATION: Synthetic PCR primer for vector construction/screening
203 <400> SEQUENCE: 5
204 gcgatggttg ttgtcattgt cggc                                            24
207 <210> SEQ ID NO: 6
209 <211> LENGTH: 24
211 <212> TYPE: DNA
213 <213> ORGANISM: Artificial sequence
217 <220> FEATURE:
219 <223> OTHER INFORMATION: Synthetic PCR primer for vector construction/screening.
221 <220> FEATURE:
223 <221> NAME/KEY: misc_feature
225 <222> LOCATION: (1)..(24)
227 <223> OTHER INFORMATION: Synthetic PCR primer for vector construction/screening
231 <400> SEQUENCE: 6
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RAW SEQUENCE LISTING   DATE: 04/14/2006
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Input Set : A:\208039-1090 - revised SEQ LIST dos text.txt
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232 aaaagaaacg caaagacacc acgg                                              24
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237 <211> LENGTH: 23
239 <212> TYPE: DNA
241 <213> ORGANISM: Artificial sequence
245 <220> FEATURE:
247 <223> OTHER INFORMATION: Synthetic PCR primer for vector construction/screening.
249 <220> FEATURE:
251 <221> NAME/KEY: misc_feature
253 <222> LOCATION: (1)..(23)
255 <223> OTHER INFORMATION: Synthetic PCR primer for vector construction/screening
259 <400> SEQUENCE: 7
260 cctcctgagt acggtgatac acc                                               23
263 <210> SEQ ID NO: 8
265 <211> LENGTH: 24
267 <212> TYPE: DNA
269 <213> ORGANISM: Artificial sequence
273 <220> FEATURE:
275 <223> OTHER INFORMATION: Synthetic PCR primer used to screen for recombinant clones.
277 <220> FEATURE:
279 <221> NAME/KEY: misc_feature
281 <222> LOCATION: (1)..(24)
283 <223> OTHER INFORMATION: Synthetic PCR primer used to screen for recombinant clones
287 <400> SEQUENCE: 8
288 gtaaattcag agactgcgct ttcc                                              24
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293 <211> LENGTH: 26
295 <212> TYPE: DNA
297 <213> ORGANISM: Artificial sequence
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303 <223> OTHER INFORMATION: Synthetic PCR primer used to screen for recombinant clones.
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307 <221> NAME/KEY: misc_feature
309 <222> LOCATION: (1)..(26)
311 <223> OTHER INFORMATION: Synthetic PCR primer used to screen for recombinant clones
315 <400> SEQUENCE: 9
316 attttcggtc atagccccct tattag                                           26
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321 <211> LENGTH: 65
323 <212> TYPE: DNA
325 <213> ORGANISM: Artificial sequence
329 <220> FEATURE:
331 <223> OTHER INFORMATION: Synthetic PCR primer recognizing FLAG tag nucleotide
sequence.
333 <220> FEATURE:
335 <221> NAME/KEY: misc_feature
337 <222> LOCATION: (1)..(65)
339 <223> OTHER INFORMATION: Synthetic PCR primer recognizing FLAG tag nucleotide
sequence
343 <400> SEQUENCE: 10
344 caaacgggcg gccgcagact acaaggatga cgacgacaag gaaactgttg aaagttgttt      60
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   346 agcaa                                                    65
   349 <210> SEQ ID NO: 11
   351 <211> LENGTH: 51
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   355 <213> ORGANISM: Artificial sequence
   359 <220> FEATURE:
   361 <223> OTHER INFORMATION: Synthetic PCR primer used to change codon usage in
recombinant cl
   362       ones.
   364 <220> FEATURE:
   366 <221> NAME/KEY: misc_feature
   368 <222> LOCATION: (1)..(51)
   370 <223> OTHER INFORMATION: Synthetic PCR primer used to change codon usage in
recombinant cl
   371       ones
   375 <400> SEQUENCE: 11
   376 cccctcagaa aggccggctg ggccgccgcc agcattgaca ggaggttcag g          51
   379 <210> SEQ ID NO: 12
   381 <211> LENGTH: 52
   383 <212> TYPE: DNA
   385 <213> ORGANISM: Artificial sequence
   389 <220> FEATURE:
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   392       ones.
   394 <220> FEATURE:
   396 <221> NAME/KEY: misc_feature
   398 <222> LOCATION: (1)..(52)
   400 <223> OTHER INFORMATION: Synthetic PCR primer used to change codon usage in
recombinant cl
   401       ones
   405 <400> SEQUENCE: 12
   406 gaaggaggtg gggtacccgg ttccgagggt ggttccggtt ccggtgattt tg         52
   409 <210> SEQ ID NO: 13
   411 <211> LENGTH: 36
   413 <212> TYPE: DNA
   415 <213> ORGANISM: Artificial sequence
   419 <220> FEATURE:
   421 <223> OTHER INFORMATION: Synthetic PCR primer for vector construction/screening.
   423 <220> FEATURE:
   425 <221> NAME/KEY: misc_feature
   427 <222> LOCATION: (1)..(36)
   429 <223> OTHER INFORMATION: Synthetic PCR primer for vector construction/screening
   433 <400> SEQUENCE: 13
   434 ccctcggaac cggtaccccа gctgcttcgt gggccc                          36
   437 <210> SEQ ID NO: 14
   439 <211> LENGTH: 47
   441 <212> TYPE: DNA
   443 <213> ORGANISM: Bacillus amyloliquefaciens
   447 <400> SEQUENCE: 14
   448 ctggcggcgg cccagccggc cctgcacagg ttatcaacac gtttgac             47
   451 <210> SEQ ID NO: 15
   453 <211> LENGTH: 43
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455 <212> TYPE: DNA
457 <213> ORGANISM: Bacillus amyloliquefaciens
461 <400> SEQUENCE: 15
462 ctcggaaccg gtacctctga tttttgtaaa ggtctgataa gcg                    43
465 <210> SEQ ID NO: 16
467 <211> LENGTH: 44
469 <212> TYPE: DNA
471 <213> ORGANISM: Gallus gallus
475 <400> SEQUENCE: 16
476 ggcggcccag ccggcctttc tctctctgac gaggacttca aggc                   44
479 <210> SEQ ID NO: 17
481 <211> LENGTH: 41
483 <212> TYPE: DNA
485 <213> ORGANISM: Gallus gallus
489 <400> SEQUENCE: 17
490 cctcggaacc ggtaccgaag agtcctttct ccttcttgag g                      41
493 <210> SEQ ID NO: 18
495 <211> LENGTH: 18
497 <212> TYPE: DNA
499 <213> ORGANISM: Artificial sequence
503 <220> FEATURE:
505 <223> OTHER INFORMATION: Synthetic PCR primer used for library construction.
507 <220> FEATURE:
509 <221> NAME/KEY: misc_feature
511 <222> LOCATION: (1)..(18)
513 <223> OTHER INFORMATION: Synthetic PCR primer used for library construction
517 <400> SEQUENCE: 18
518 tacgccaagc ttgcatgc                                                 18
521 <210> SEQ ID NO: 19
523 <211> LENGTH: 17
525 <212> TYPE: DNA
527 <213> ORGANISM: Artificial sequence
531 <220> FEATURE:
533 <223> OTHER INFORMATION: Synthetic PCR primer used for library construction.
535 <220> FEATURE:
537 <221> NAME/KEY: misc_feature
539 <222> LOCATION: (1)..(17)
541 <223> OTHER INFORMATION: Synthetic PCR primer used for library constuction
545 <400> SEQUENCE: 19
546 ctgcacctgg gccatgg                                                 17
549 <210> SEQ ID NO: 20
551 <211> LENGTH: 17
553 <212> TYPE: DNA
555 <213> ORGANISM: Artificial sequence
559 <220> FEATURE:
561 <223> OTHER INFORMATION: Synthetic PCR primer used for library construction.
563 <220> FEATURE:
565 <221> NAME/KEY: misc_feature
567 <222> LOCATION: (1)..(17)
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 04/14/2006
PATENT APPLICATION: US/09/710,444D   TIME: 11:10:36

Input Set : A:\208039-1090 - revised SEQ LIST dos text.txt
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:21; N Pos. 23,24,29,55,56,81,97,101,102
Seq#:22; N Pos. 18,19,20,21
Seq#:26; N Pos. 14,15,20,46,47
Seq#:31; N Pos. 22,38,42,43
Seq#:34; N Pos. 22,43,44
Seq#:40; N Pos. 9,10,11,12
Seq#:51; N Pos. 19,20,21,22,23,24
Seq#:76; Xaa Pos. 36,38
Seq#:79; Xaa Pos. 1

VERIFICATION SUMMARY   DATE: 04/14/2006
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```
L:26 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:687 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
M:341 Repeated in SeqNo=21
L:745 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:899 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:1079 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
L:1193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0
L:1411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
L:1801 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:0
L:2722 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76 after pos.:32
L:2814 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79 after pos.:0
```